

CLAIMS

We claim:

1. Apparatus comprising:

a banking machine, including:

5 an output device, wherein such output device outputs information to a user;

an input device, wherein a user is enabled to input messages to said machine;

a sheet dispenser mechanism;

10 a computer, wherein said computer is in operative connection with the output device, the input device and the sheet dispenser mechanism;

software executable in said computer, said software including:

15 an HTML document handling portion in operative connection with the input device and the output device, wherein said HTML document handling portion is operative to receive HTML format documents;

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a device application portion in operative interfacing relation with the HTML document handling portion, wherein said device application portion is in operative connection with the sheet dispenser, and wherein said device application portion is operative responsive to the HTML document handling portion receiving an HTML format document including a dispense instruction to cause the sheet dispenser mechanism to dispense at least one sheet.

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2. The apparatus according to claim 1 and further comprising a card reader mechanism in operative connection with the HTML document handling portion of the software, and wherein the card reader is operative to accept a card, wherein said card includes indicia thereon, and wherein said indicia corresponds with a system address associated with the user, and wherein said HTML document handling portion is operative to cause a message to be generated to the system address responsive to said card indicia.

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3. The apparatus according to claim 2 wherein the system address for the user includes a URL address.

4. The apparatus according to claim 1 wherein in said banking machine said HTML document handling portion and said device application portion both communicate messages through TCP/IP, and wherein said HTML

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document handling portion communicates at a first IP port and said device application portion communicates at a second IP port.

5. The apparatus according to claim 4 wherein the software in the banking machine further comprises a device interfacing software portion, and wherein said device interfacing software portion is operative to interface with said sheet dispenser mechanism, wherein said application portion interfaces with said sheet dispenser mechanism through said device interfacing software portion, and wherein said device interfacing software portion communicates at a third IP port.

6. The apparatus according to claim 1 wherein said HTML document handling portion includes a browser.

7. The apparatus according to claim 1 wherein said dispense instruction is an embedded instruction.

8. The apparatus according to claim 1 wherein said dispense instruction is in JAVA script.

9. The apparatus according to claim 1 wherein said device application portion includes a first applet, wherein said first applet is operative to cause operation of said sheet dispenser mechanism.

10. The apparatus according to claim 1 wherein said banking machine further comprises a printer mechanism, wherein said printer mechanism is in operative connection with said computer, and wherein said printer mechanism is operative responsive to the device application portion of the software, and wherein said printer mechanism is operative to print

responsive to receipt of a print instruction by said HTML document handling portion.

11. The apparatus according to claim 1 wherein said banking machine further comprises at least one device, said device being one of a printer
5 mechanism, a card reader mechanism or a depository mechanism, and wherein said device is operative responsive to the device application portion of the software, and wherein the device is operative responsive to receipt of a device instruction by the HTML document handling portion.

12. The apparatus according to claim 1 wherein said dispenser
10 mechanism is operative responsive to dispensing said sheets to cause a dispenser operation message to be delivered to the device application portion of the software, and wherein said HTML document handling portion is operative responsive to delivery of the dispenser operation message to output a dispense response message from said HTML document
15 handling portion.

13. The apparatus according to claim 11 wherein the device is operative responsive to its operation to cause a device operation message to be delivered to the device application portion of the software, and wherein the
20 HTML document handling portion is operative responsive to the delivery of the device operation message to output a device response message from the HTML document handling portion.

14. The apparatus according to claim 12 wherein the HTML document including the dispense instruction includes a response instruction, wherein
25 said response instruction is operative to cause the output of the dispense response message responsive to delivery of the dispense operation message to the device application portion of the software.

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5 15. The apparatus according to claim 1 and wherein said banking machine further comprises a plurality of devices, said devices operative responsive to the device application portion of the software, and wherein said device application portion includes at least one applet operative to control at least one of said plurality of devices.

10 16. The apparatus according to claim 15 and wherein said software further comprises a device interfacing software portion operative to interface with said devices, and wherein said device interfacing software portion includes a device program operative to interface with said one applet.

17. The apparatus according to claim 16 wherein said applet is operative to communicate through a second IP port and the device program is operative to communicate through a third IP port.

15 18. The apparatus according to claim 1 and further comprising a home HTTP server in operative connection with the HTML document handling portion of the banking machine, and wherein the home HTTP server is operative to send HTML documents to the HTML document handling portion of the software in the banking machine.

20 19. The apparatus according to claim 18 wherein the home HTTP server is operative to send the dispense instruction to the banking machine.

20. The apparatus according to claim 18 wherein the home HTTP server includes a home address, and wherein the HTML document handling portion of the software is operative to send a message to the home address in response to a user input at said input device.

21. The apparatus according to claim 18 wherein said home HTTP server has a home address, and wherein said banking machine further comprises a card reader mechanism in operative connection with said device application portion of the software, whereby said card reader mechanism is operative to read card indicia on a card input by a user, and wherein said HTML document handling portion is operative to send a message to the home HTTP server responsive to the card indicia corresponding to the home address.

22. The apparatus according to claim 21 wherein said card indicia further corresponds to identifying information associated with a file, wherein said file is associated with the user, and wherein said file is stored in operative connection with the home HTTP server.

23. The apparatus according to claim 22 wherein said card indicia includes a URL address associated with the user.

24. The apparatus according to claim 22 wherein the file includes at least one HTML document associated with the user.

25. The apparatus according to claim 18 and further comprising a proxy server in operative connection with the home HTTP server, wherein the home HTTP server has a home address, and said HTML document handling portion has a machine address, and wherein said proxy server is operative to direct messages from said banking machine to the home HTTP server responsive to said messages including the home address.

26. The apparatus according to claim 25 wherein the proxy server is also in operative connection with a wide area network, and wherein said wide area network includes a foreign server, wherein said foreign server

has a foreign address, and wherein said banking machine further includes an address input device in operative connection with the HTML document handling portion, and wherein the HTML document handling portion is operative responsive to input of the foreign address through said address
5 input device to generate a foreign message addressed to the foreign address, and wherein said proxy server is operative responsive to receipt of the foreign address to pass the foreign message to said wide area network

27. The apparatus according to claim 26 wherein said proxy server includes screening software, wherein said screening software is operative to
10 prevent the sending of the foreign message to at least one selected foreign address.

28. The apparatus according to claim 26 wherein said proxy server is operative responsive to receiving a foreign response message from said foreign address directed to said machine address to pass the message to said
15 HTML document handling portion of the software in said banking machine.

29. The apparatus according to claim 5 and further comprising a device server, wherein said device application portion of said software and said device interfacing software portion communicate through said device server.

20 30. The apparatus according to claim 29 wherein said device server includes monitor software, wherein said monitor software is operative to limit operation of said sheet dispensing mechanism.

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